HLTH3302

Pathology and Diagnosis I

Session 1, In person-scheduled-weekday, North Ryde 2026

Department of Chiropractic

Contents

General Information	2
Learning Outcomes	2
General Assessment Information	3
Assessment Tasks	6
Delivery and Resources	8
Unit Schedule	10
Policies and Procedures	11
Inclusion and Diversity	13
Professionalism	13

Disclaimer

Macquarie University has taken all reasonable measures to ensure the information in this publication is accurate and up-to-date. However, the information may change or become out-dated as a result of change in University policies, procedures or rules. The University reserves the right to make changes to any information in this publication without notice. Users of this publication are advised to check the website version of this publication [or the relevant faculty or department] before acting on any information in this publication.

General Information

Unit convenor and teaching staff
Stephanie Marhoff-Beard
stephanie.marhoff-beard@mq.edu.au

Amy Melamet
amy.melamet@mq.edu.au

Credit points
10

Prerequisites
(HLTH2301 or HLTH215) and BIOL2220

Corequisites

Co-badged status

Unit description
This unit builds on the knowledge base of pathophysiology acquired in Principles of Health and Disease (HLTH2301). It examines the aetiology, epidemiology, pathophysiology, clinical presentation and differential diagnosis of common conditions of the cardiovascular, haematopoietic and lymphatic, endocrine, digestive and respiratory systems. Case studies are used to develop the ability to create a differential diagnosis based on clinical presentation and examination. The complexity of disease is discussed within the biopsychosocial framework that will deepen student understanding of the complex relationship between ourselves and our environment.

Important Academic Dates

Information about important academic dates including deadlines for withdrawing from units are available at https://www.mq.edu.au/study/calendar-of-dates

Learning Outcomes

On successful completion of this unit, you will be able to:

ULO1: Describe the aetiology, epidemiology, pathogenesis, pathophysiology and clinical manifestations for a range of pathologies that occur in each of the following systems: Cardiovascular, Respiratory, Haematopoietic and Lymphatic, Endocrine and Digestive systems

ULO2: For each disease studied, explain the relationship between its

aetiology,pathophysiology and clinical manifestations

ULO3: Demonstrate the fundamental skills required for decision-making and clinical reasoning on the basis of aetiology, pathophysiology, epidemiology and clinical manifestations

ULO4: Explain the multifactorial nature in the development of disease states

ULO5: Apply knowledge of anatomy, physiology, biochemistry and basic pathology, to develop the likely mode of progression of the diseases studied in this unit

General Assessment Information

Presentation

Assessment Type [1]: Presentation Indicative Time on Task [2]: 15 hours Due: **Time allocated in tutorials** Weighting: **25%**

Students choose a question or case study in that week's tutorial and give a presentation according to a rubric

On successful completion you will be able to:

- For each disease studied, explain the relationship between its aetiology,pathophysiology and clinical manifestations
- Demonstrate the fundamental skills required for decision-making and clinical reasoning on the basis of aetiology, pathophysiology, epidemiology and clinical manifestations
- Explain the multifactorial nature in the development of disease states
- Apply knowledge of anatomy, physiology, biochemistry and basic pathology, to develop the likely mode of progression of the diseases studied in this unit

Case Study Assignment

Assessment Type [1]: Case study/analysis Indicative Time on Task [2]: 10 hours Due: **27/04/2026** Weighting: **25%**

A case study related to a common condition covered in this unit.

On successful completion you will be able to:

- Describe the aetiology, epidemiology, pathogenesis, pathophysiology and clinical manifestations for a range of pathologies that occur in each of the following systems:

Cardiovascular, Respiratory, Haematopoietic and Lymphatic, Endocrine and Digestive systems
- For each disease studied, explain the relationship between its aetiology,pathophysiology and clinical manifestations
- Demonstrate the fundamental skills required for decision-making and clinical reasoning on the basis of aetiology, pathophysiology, epidemiology and clinical manifestations
- Explain the multifactorial nature in the development of disease states
- Apply knowledge of anatomy, physiology, biochemistry and basic pathology, to develop the likely mode of progression of the diseases studied in this unit

End of semester final written examination

Assessment Type [1]: Examination Indicative Time on Task [2]: 35 hours Due: **Official Exam Period** Weighting: **50%**

This will cover the content of the entire semester.

On successful completion you will be able to:

- Describe the aetiology, epidemiology, pathogenesis, pathophysiology and clinical manifestations for a range of pathologies that occur in each of the following systems: Cardiovascular, Respiratory, Haematopoietic and Lymphatic, Endocrine and Digestive systems
- For each disease studied, explain the relationship between its aetiology,pathophysiology and clinical manifestations
- Demonstrate the fundamental skills required for decision-making and clinical reasoning on the basis of aetiology, pathophysiology, epidemiology and clinical manifestations
- Explain the multifactorial nature in the development of disease states
- Apply knowledge of anatomy, physiology, biochemistry and basic pathology, to develop the likely mode of progression of the diseases studied in this unit

[1] If you need help with your assignment, please contact:

- the academic teaching staff in your unit for guidance in understanding or completing this type of assessment
- the Writing Centre for academic skills support.

[2] Indicative time-on-task is an estimate of the time required for completion of the assessment task and is subject to individual variation

General Assessment Information

Grade descriptors and other information concerning grading are contained in the Macquarie University Assessment Policy.

All final grades are determined by a grading committee, in accordance with the Macquarie University Assessment Policy, and are not the sole responsibility of the Unit Convenor.

Students will be awarded a final grade and a mark which must correspond to the grade descriptors specified in the Assessment Procedure (clause 128).

To pass this unit, you must demonstrate sufficient evidence of achievement of the learning outcomes, meet any ungraded requirements, and achieve a final mark of 50 or better.

Further details for each assessment task will be available on iLearn.

Late Submissions

Unless a Special Consideration request has been submitted and approved, a 5% penalty (OF THE TOTAL POSSIBLE MARK) will be applied each day a written assessment is not submitted, up until the 7th day (including weekends). After the 7th day, a grade of '0' will be awarded even if the assessment is submitted. Submission time for all written assessments is set at 11.55pm. A 1-hour grace period is provided to students who experience a technical concern.

For example:

Number of days (hours) late Total Possible Marks Deduction Raw mark Final mark

1 day (1-24 hours) 100 5 75 70

2 days (24-48 hours) 100 10 75 65

3 days (48-72 hours) 100 15 75 60

7 days (144-168 hours) 100 35 75 40

>7 days (>168 hours) 100 - 75 0

Special Consideration

If you are unable to complete an assessment task on or by the specified date due circumstances that are unexpected, unavoidable, significantly disruptive and beyond your control, you may apply for special consideration in accordance with the special consideration policy. Applications for special consideration must be supported by appropriate evidence and submitted via ask.mq.edu.au.

The Semester 1 University Examination period is from: 09-26 June, 2026

You are expected to present yourself for examination at the time and place designated in the University examination timetable. The timetable will be available in draft form approximately eight weeks before the commencement of the examinations and in final form approximately four weeks before the commencement of the examinations:

http://www.timetables.mq.edu.au/exam

The only exception to not sitting an examination at the designated time is because of documented illness or unavoidable disruption. In these circumstances you may wish to consider applying for special consideration. The University's Special Consideration Policy can be found at: https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policies/special-consideration. Information can also be found at https://students.mq.edu.au/study/my-study-program/special-consideration

Students with a pre-existing disability/health condition or prolonged adverse circumstances may be eligible for ongoing assistance and support. Such support is governed by other policies and may be sought and coordinated through Campus Wellbeing and Support Services.

If a supplementary examination is granted as a result of special consideration, the examination will be scheduled after the conclusion of the official examination period.

If you receive special consideration for the final exam, a supplementary exam will be scheduled in the interval between the regular exam period and the start of the next session. By making a special consideration application for the final exam you are declaring yourself available for a resit during the supplementary examination period and will not be eligible for a second special consideration approval based on pre-existing commitments. Please ensure you are familiar with the policy prior to submitting an application.

NOTE: Supplementary exams may be in a different format to the exam set in the normal examination period.

You are advised that it is Macquarie University policy not to set early examinations for individuals or groups of students. You are expected to ensure that you are available until the end of the teaching semester that is the final day of the official examination period.

Assessment Tasks

Name	Weighting	Hurdle	Due	Groupwork/Individual	Short Extension	AI Approach
Case Study Assignment	25%	No	27/04/2026	Individual	Yes	Open
Presentation	25%	No	Allocated in tutorial time	Individual and Group	No	Observed
End of semester final written examination	50%	No	University's official exam period	Individual	No	Observed

Case Study Assignment

Assessment Type [1]: Written Submission
Indicative Time on Task [2]: 10 hours
Due: **27/04/2026**
Weighting: **25%**
Groupwork/Individual: Individual

Short extension [3]: Yes
AI Approach: Open

A case study related to a common condition covered in this unit.

On successful completion you will be able to:

- Describe the aetiology, epidemiology, pathogenesis, pathophysiology and clinical manifestations for a range of pathologies that occur in each of the following systems: Cardiovascular, Respiratory, Haematopoietic and Lymphatic, Endocrine and Digestive systems
- For each disease studied, explain the relationship between its aetiology,pathophysiology and clinical manifestations
- Demonstrate the fundamental skills required for decision-making and clinical reasoning on the basis of aetiology, pathophysiology, epidemiology and clinical manifestations
- Explain the multifactorial nature in the development of disease states
- Apply knowledge of anatomy, physiology, biochemistry and basic pathology, to develop the likely mode of progression of the diseases studied in this unit

Presentation

Assessment Type [1]: Presentation task
Indicative Time on Task [2]: 15 hours
Due: **Allocated in tutorial time**
Weighting: **25%**
Groupwork/Individual: Individual and Group
Short extension [3]: No
AI Approach: Observed

Students choose a question or case study in that week's tutorial and give a presentation according to a rubric

On successful completion you will be able to:

- For each disease studied, explain the relationship between its aetiology,pathophysiology and clinical manifestations
- Demonstrate the fundamental skills required for decision-making and clinical reasoning on the basis of aetiology, pathophysiology, epidemiology and clinical manifestations
- Explain the multifactorial nature in the development of disease states
- Apply knowledge of anatomy, physiology, biochemistry and basic pathology, to develop the likely mode of progression of the diseases studied in this unit

End of semester final written examination

Assessment Type [1]: Examination
Indicative Time on Task [2]: 35 hours
Due: **University's official exam period**
Weighting: **50%**
Groupwork/Individual: Individual
Short extension [3]: No
AI Approach: Observed

This will cover the content of the entire semester.

On successful completion you will be able to:

- Describe the aetiology, epidemiology, pathogenesis, pathophysiology and clinical manifestations for a range of pathologies that occur in each of the following systems: Cardiovascular, Respiratory, Haematopoietic and Lymphatic, Endocrine and Digestive systems
- For each disease studied, explain the relationship between its aetiology,pathophysiology and clinical manifestations
- Demonstrate the fundamental skills required for decision-making and clinical reasoning on the basis of aetiology, pathophysiology, epidemiology and clinical manifestations
- Explain the multifactorial nature in the development of disease states
- Apply knowledge of anatomy, physiology, biochemistry and basic pathology, to develop the likely mode of progression of the diseases studied in this unit

---

[1] If you need help with your assignment, please contact:

- the academic teaching staff in your unit for guidance in understanding or completing this type of assessment
- Academic Success for academic skills support.

[2] Indicative time-on-task is an estimate of the time required for completion of the assessment task and is subject to individual variation.

[3] An automatic short extension is available for some assessments. Apply through the Service Connect Portal.

Delivery and Resources

Delivery mode

This unit is characterised by a moderate degree of flexibility. It incorporates a variety of learning tools and media. It will comprise:

	ACTIVITY	Total
Lectures	1 × 2 hour lecture per week pre-recorded online	2 hours per week, weeks 1-12
Tutorials	1 × 2 hours tutorial class per week, weeks 2 – 12 Note that you must attend just one tutorial a week	2 hours per week, weeks 2-12
Other	Revision, self-instructional learning, preparation for tutorials and readings from the manual/ text	6 - 8 hours per week

Please note that venues are subject to change until just before the start of the semester. So, for further details on class time and locations for this unit follow the link below:

http://students.mq.edu.au/student_admin/timetables

Unit Web Page

You can log in to iLearn System via the link listed below:

https://ilearn.mq.edu.au/login/MQ/

Your username is your student MQID. Your MQID and password have been mailed to you by the university. If you have lost them, go to the student portal: http://students.mq.edu.au/home

All lecture materials will be posted on ilearn, and there is also a link to ECHO360 for recordings of the lectures.

Required and recommended resources

Required:

1. *HLTH3302/CHIR6302 Tutorial Course Manual* 2026 – This has been uploaded to iLearn. Please be sure to either download, print and bind the manual, or have an iPad or laptop to access the manual during the tutorial.

Recommended:

- Craft JA *et al* (2018) Understanding Pathophysiology ANZ, 3rd Edition, Elsevier Australia.
- McCance KL *et al* (2019) Pathophysiology – The biologic basis of disease in adults and children, 8th Edition, Elsevier Australia.

Unit Schedule

WEEK	LECTURE	TUTORIAL	Important Dates
1 **FEB 23**	L1: Cardiovascular System 1	NONE	
2 **MAR 2**	L2: Cardiovascular System 2	T1: Cardiovascular System 1	
3 **MAR 9**	L3: Lymphoid and Haematopoietic Systems 1	T2: Cardiovascular System 2	
4 **MAR 16**	L4: Lymphoid and Haematopoietic Systems 2	T3: Lymphoid and Haematopoietic Systems 1	Census Date: March 20
5 **MAR 23**	L5: Endocrine System 1	T4: Lymphoid and Haematopoietic Systems 2	
6 **MAR 30**	L6: Endocrine System 2	T5: Endocrine System 1	
APRIL 6-19 MID-SESSION BREAK			
7 **APR 20**	L7: Endocrine System 3	T6: Endocrine System 2	
8 **APR 27**	L8: Digestive System 1	NONE	Case Study assessment due: April 27 Last day Withdraw Without Fail: April 28
9 **MAY 4**	L9: Digestive System 2	T7: Digestive System 1	
10 **MAY 11**	L10 & 11: Respiratory System 1 + 2	T8: Digestive System 2	

11 **MAY 18**	L11: Respiratory System 2	T9: Respiratory System 1	
12 **MAY 25**	NONE	T10: Respiratory System 2	
13 **JUN 1**	NONE	NONE	

Policies and Procedures

Macquarie University policies and procedures are accessible from Policy Central (https://policies.mq.edu.au). Students should be aware of the following policies in particular with regard to Learning and Teaching:

- Academic Appeals Policy
- Academic Integrity Policy
- Academic Progression Policy
- Assessment Policy
- Fitness to Practice Procedure
- Assessment Procedure
- Complaints Resolution Procedure for Students and Members of the Public
- Special Consideration Policy

Students seeking more policy resources can visit Student Policies (https://students.mq.edu.au/support/study/policies). It is your one-stop-shop for the key policies you need to know about throughout your undergraduate student journey.

To find other policies relating to Teaching and Learning, visit Policy Central (https://policies.mq.edu.au) and use the search tool.

Student Code of Conduct

Macquarie University students have a responsibility to be familiar with the Student Code of Conduct: https://students.mq.edu.au/admin/other-resources/student-conduct

Results

Results published on platform other than eStudent, (eg. iLearn, Coursera etc.) or released directly by your Unit Convenor, are not confirmed as they are subject to final approval by the University. Once approved, final results will be sent to your student email address and will be made available in eStudent. For more information visit connect.mq.edu.au or if you are a Global MBA student contact globalmba.support@mq.edu.au

Academic Integrity

At Macquarie, we believe academic integrity – honesty, respect, trust, responsibility, fairness and courage – is at the core of learning, teaching and research. We recognise that meeting the expectations required to complete your assessments can be challenging. So, we offer you a range of resources and services to help you reach your potential, including free online writing and maths support, academic skills development and wellbeing consultations.

Student Support

Macquarie University provides a range of support services for students. For details, visit http://students.mq.edu.au/support/

Academic Success

Academic Success provides resources to develop your English language proficiency, academic writing, and communication skills.

- Ask a Study Coach
- Access StudyWISE
- Upload an assignment to Studiosity
- Complete the Academic Integrity Module

The Library provides online and face to face support to help you find and use relevant information resources.

- Subject and Research Guides
- Ask a Librarian

Student Services and Support

Macquarie University offers a range of Student Support Services including:

- IT Support
- Accessibility and disability support with study
- Mental health support
- Safety support to respond to bullying, harassment, sexual harassment and sexual assault
- Social support including information about finances, tenancy and legal issues
- Student Advocacy provides independent advice on MQ policies, procedures, and processes

Student Enquiries

Got a question? Ask us via the Service Connect Portal, or contact Service Connect.

IT Help

For help with University computer systems and technology, visit https://students.mq.edu.au/support/technology/service-desk.

When using the University's IT, you must adhere to the Acceptable Use of IT Resources Policy. The policy applies to all who connect to the MQ network including students.

Inclusion and Diversity

Social inclusion at Macquarie University is about giving everyone who has the potential to benefit from higher education the opportunity to study at university, participate in campus life and flourish in their chosen field. The University has made significant moves to promote an equitable, diverse and exciting campus community for the benefit of staff and students. It is your responsibility to contribute towards the development of an inclusive culture and practice in the areas of learning and teaching, research, and service orientation and delivery. As a member of the Macquarie University community, you must not discriminate against or harass others based on their sex, gender, race, marital status, carers' responsibilities, disability, sexual orientation, age, political conviction or religious belief. All staff and students are expected to display appropriate behaviour that is conducive to a healthy learning environment for everyone.

Professionalism

In the Faculty of Medicine, Health and Human Sciences, professionalism is a key capability embedded in all our courses.

As part of developing professionalism, students are expected to attend all small group interactive sessions including clinical, practical, laboratory, work-integrated learning (e.g., PACE placements), and team-based learning activities. Some learning activities are recorded (e.g., face-to-face lectures), however you are encouraged to avoid relying upon such material as they do not recreate the whole learning experience and technical issues can and do occur. As an adult learner, we respect your decision to choose how you engage with your learning, but we would remind you that the learning opportunities we create for you have been done so to enable your success, and that by not engaging you may impact your ability to successfully complete this unit. We equally expect that you show respect for the academic staff who have worked hard to develop meaningful activities and prioritise your learning by communicating with them in advance if you are unable to attend a small group interactive session.

Another dimension of professionalism is having respect for your peers. It is the right of every student to learn in an environment that is free of disruption and distraction. Please arrive to all learning activities on time, and if you are unavoidably detained, please join activity as quietly as possible to minimise disruption. Phones and other electronic devices that produce noise and other distractions must be turned off prior to entering class. Where your own device (e.g., laptop) is being used for class-related activities, you are asked to close down all other applications to avoid distraction to you and others. Please treat your fellow students with the utmost respect. If you are uncomfortable participating in any specific activity, please let the relevant academic know.

Unit information based on version 2026.01R of the Handbook